

Abstract of the Disclosure

AXLE DAMPING SYSTEM AND METHOD

A damping system for an axle configured to pivot about a pivot point is provided. The damping system includes a first hydraulic cylinder having a first chamber and a second chamber and a second hydraulic cylinder having a third chamber and a fourth chamber. The first hydraulic cylinder is connected to the axle on one side of the pivot point and the second hydraulic cylinder is connected to the axle on the other side of the pivot point. A first fluid line connects the first chamber with the fourth chamber. A second fluid line connects the second chamber with the third chamber. A restricted fluid passageway connects the first fluid line and the second fluid line. A valve mechanism is disposed between the first fluid line and the second fluid line and is operable to release fluid from one of the first and second fluid lines when the pressure of the fluid in one of the first and second fluid lines reaches a predetermined level.